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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY.'S DOCKET: ARIYASU=2

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|--|---|------------------------|
| In re Application of: |) | Art Unit: |
| |) | |
| Toshio ARIYASU et al |) | Examiner: |
| |) | |
| Appln. No.: 10/663,650 |) | Washington, D.C. |
| |) | |
| Filed: September 17, 2003 |) | June 9, 2004 |
| |) | |
| For: TREHALOSE RECEPTOR AND METHOD FOR DETECTING... |) | Confirmation No.: 3810 |
| |) | |

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Sir :

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

[X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed before the mailing date of a first office action on the merits.

[X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form PTO/SB/08A) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached.

[X] 3. Document(s) AE is not in the English language. In accordance with §1.98(a)(3), Applicant(s) states:

[X] An English translation of each document AE (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application, or English-language abstract (or claim) is enclosed.

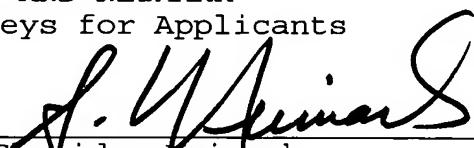
4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

5. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

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Substitute for form 1449A PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

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|----------------------|-----------------------|
| Application Number | 10/663,650 |
| Filing Date | September 17, 2003 |
| First Named Inventor | Toshio ARIYASU et al. |
| Group Art Unit | |
| Examiner Name | |

Attorney Docket Number

ARIYASU=2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
|--------------------|-----------------------|--|----------------|
| | AA | FIRESTEIN, Stuart. " How the Olfactory System Makes Sense of Scents", Nature. (September, 2001), 413(13):211-225. | |
| | AB | ISHIMOTO et al. "Molecular Identification of a Taste Receptor Gene for Trehalose in Drosophila", Science. (July, 2000), 289:116-119. | |
| | AC | NELSON et al. "An Amino-Acid Taste Receptor", Nature, (March, 2002) 416, (14): 199-202. | |
| | AD | NELSON et al. "Mammalian Sweet Taste Receptor", Cell, (August, 2001), 106:381-390. | |
| | AE | OKU et al. "Trehalose Content in Foods", Journal of Japanese Society for Food Science and Technology, (1998) 45(6):381-384. | YES |
| | AF | MODY, et al, "Incorporation of Gα _i -Specific Sequence at the Carboxyl Terminus Increases the Promiscuity of Gα ₁₆ toward G _i -Coupled Receptors", Molecular Pharmacology, (2000), 57:12-23. | |
| | AG | Ariyasu et al, "Trehalose and Osteoporosis (the 4 th report: Receptor of Trehalose", "6 th Trehalose Symposium held November 6, 2002, Nakano-ku, Japan , (published 09-19-2002) Excerpt Translation of the Abstracts(Parts 3, VI) | |
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Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.